642-648 Q&As

Deploying Cisco ASA VPN Solutions (VPN v2.0)

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QUESTION 1

Which statement is true about configuring the Cisco ASA for Active/Standby failover?

A. All versions of Cisco ASA software need to have the same licensing on both devices.

B. Both devices perform load sharing until a failure occurs.

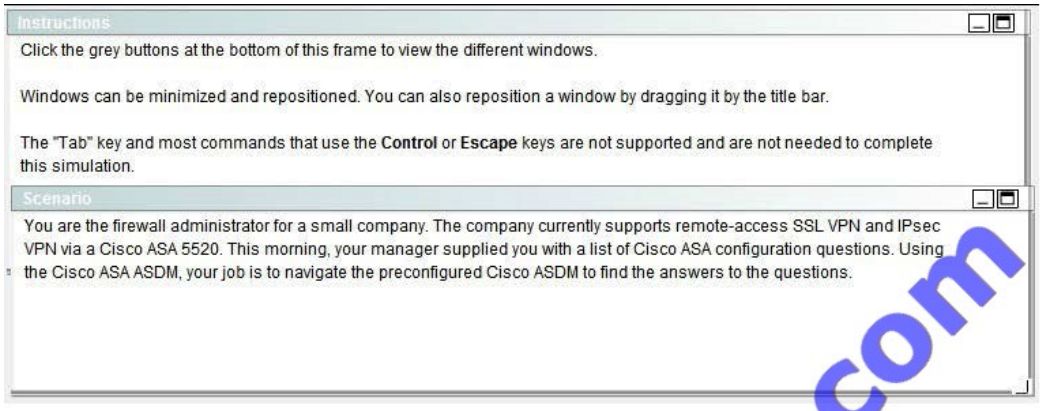
C. All VPN-related configurations and files are automatically replicated.

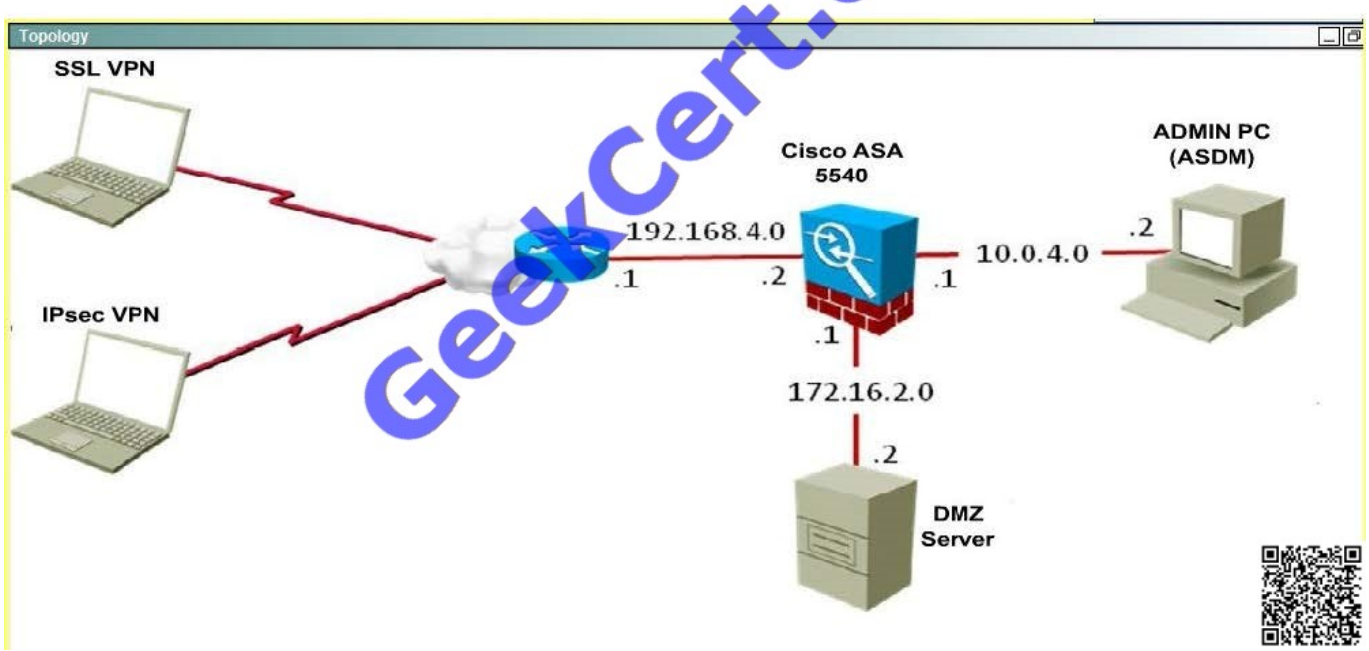
D. VPN images, profiles, and plug-ins must be manually provisioned to both devices.

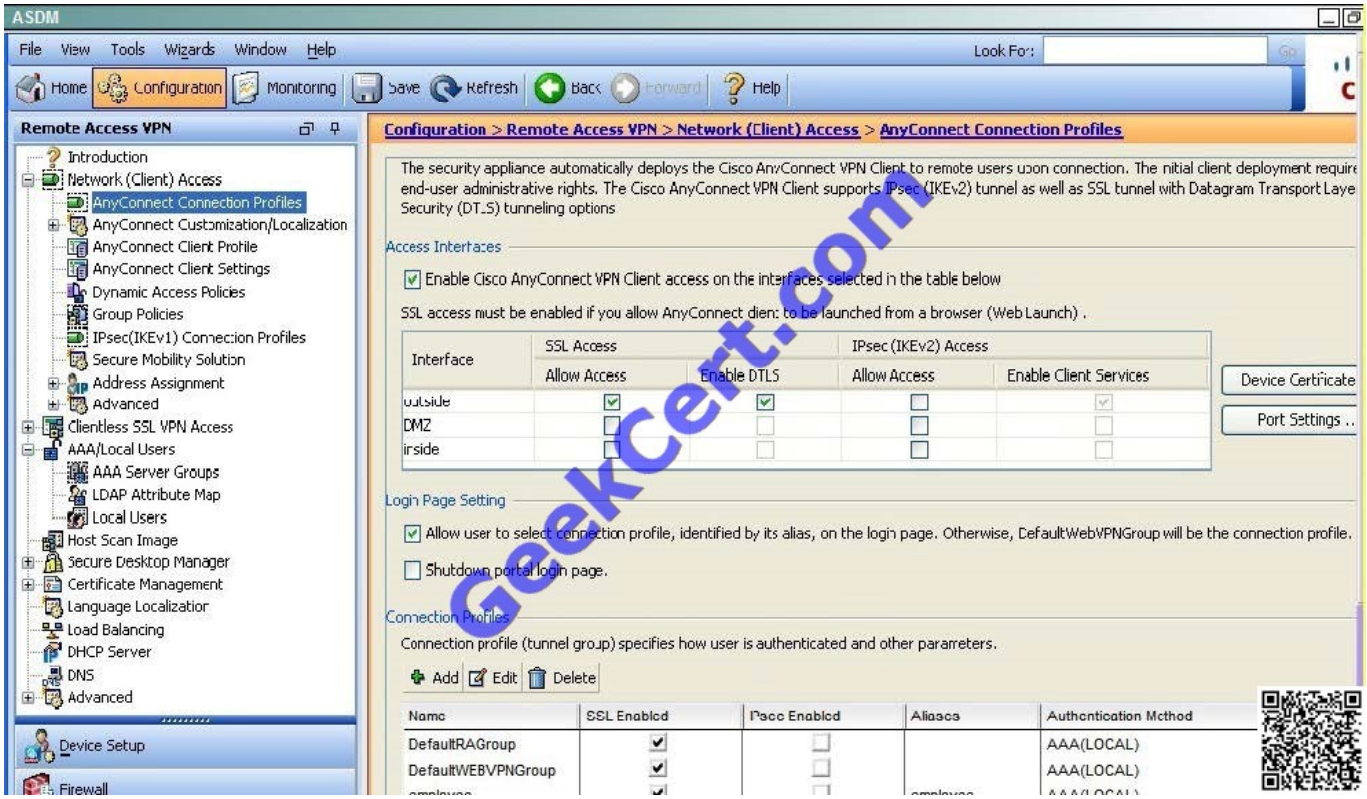
Correct Answer: D

QUESTION 2

Refer to following Exhibit and answer the following question below: The user, contractor1, will receive an IP address when the VPN connection is established. Which statement regarding the IP address is true?







A. Is sourced from the contractor pool

B. Is sourced from the employee pool

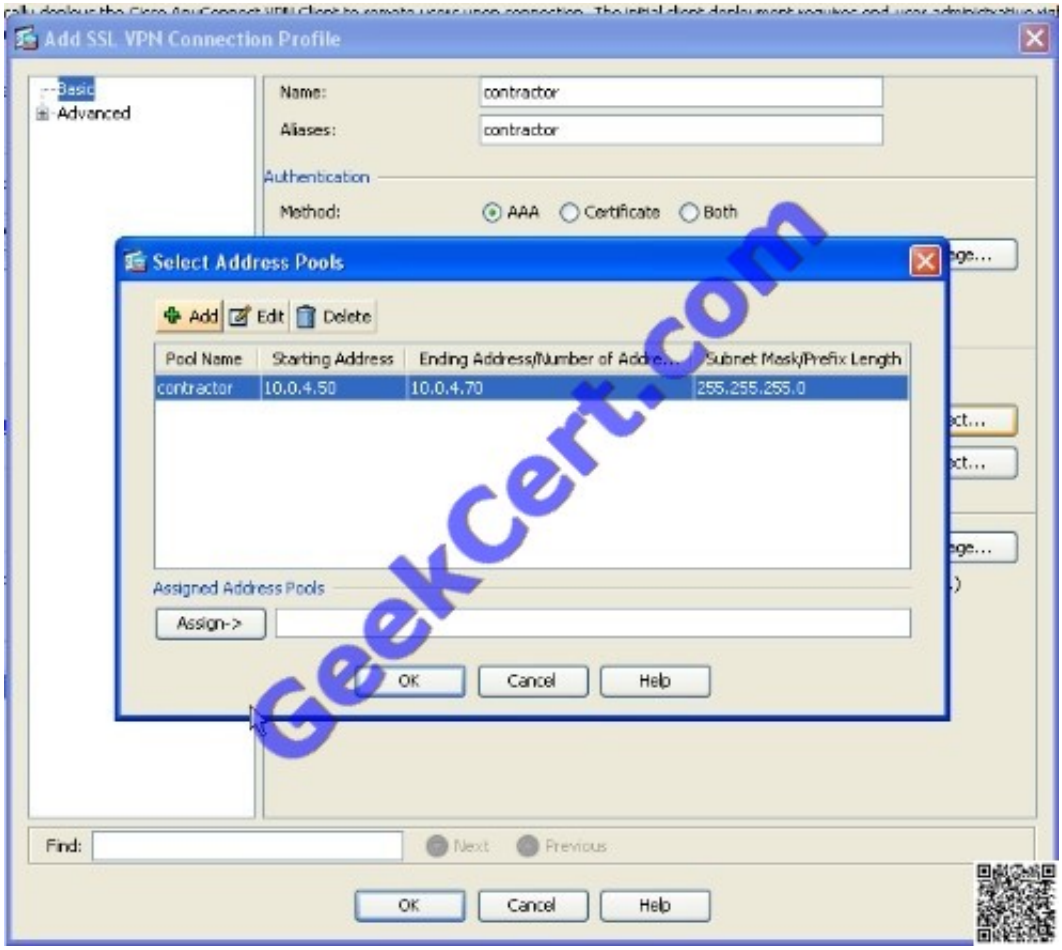
C. Is sourced from the engineering pool

D. Is sourced from the management pool

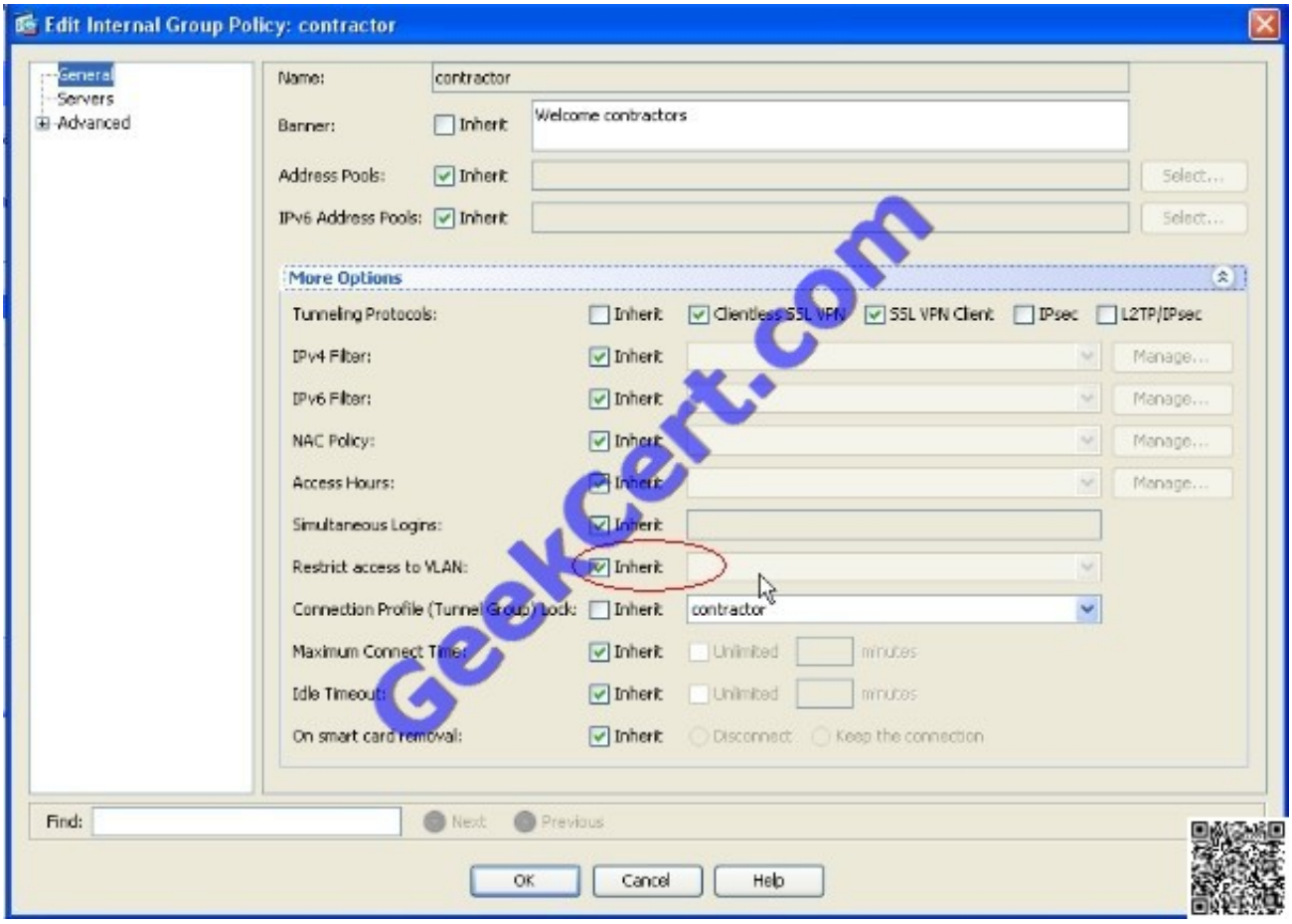
E. Is a dedicated address (10.0.4.1 20)

Correct Answer: A

Explanation:



Through configuration first see username in device management >> see its group policy then go to remote access VPN >> connection profiles >> client address pools >> contractor >> select t see the address pool Through Monitoring VPN statistics > session >> see username and its assigned ip address >> then find it out in configuration tab above procedure



QUESTION 3

Which two statements about the Cisco ASA cluster load-balancing feature are correct? (Choose two.)

A. The Cisco ASA load-balances both site-to-site and remote-access VPN tunnels.

B. The Cisco ASA load-balances remote-access VPN tunnels only.

C. The Cisco ASA load-balances IPsec VPN tunnels only.

D. The Cisco ASA load-balances IPsec VPN and Cisco AnyConnect SSL VPN tunnels only.

E. The Cisco ASA load-balances IPsec VPN, clientless, and Cisco AnyConnect SSL VPN tunnels.

Correct Answer: BE

http://www.cisco.com/en/US/docs/security/asa/asa71/asdm51/selected_procedures/asdm_lb.html#wp1005 Eligible Clients Load balancing is effective only on remote sessions initiated with the following clients:

?isco VPN Client (Release 3.0 and later)

?isco VPN 3002 Hardware Client (Release 3.5 or later) ?isco ASA model 5505 when configured as a hardware client ?isco PIX 501/506E when acting as an Easy VPN client. Load balancing works with both IPSec clients and WebVPN

sessions. All other clients, including LAN-to-LAN connections, can connect to a security appliance on which load

balancing is enabled, but they cannot participate in load balancing.

http://www.cisco.com/en/US/docs/security/asa/asa84/configuration/guide/vpn_params.html#wp1048834

Load Balancing

Load balancing is a mechanism for equitably distributing remote-access VPN traffic among the devices in a virtual cluster. It is based on simple distribution of traffic without taking into account throughput or other factors.

A load-balancing cluster consists of two or more devices, one is the virtual master, and the other devices are the backup. These devices do not need to be of the exact same type, or have identical software versions or configurations.

QUESTION 4

When troubleshooting a site-to-site IPsec VPN deployment, you see a QM FSM message. What is the most likely cause of this message?

A. The Quick Mode timers have expired.

B. There are mismatched proxy identities.

C. Forward Secrecy Mode has failed.

D. IKE Phase 1 has failed authentication due to mismatched DH groups.

Correct Answer: B

http://www.cisco.com/en/US/tech/tk583/tk372/technologies_tech_note09186a00800949c5.shtml#qms

QM FSM Error

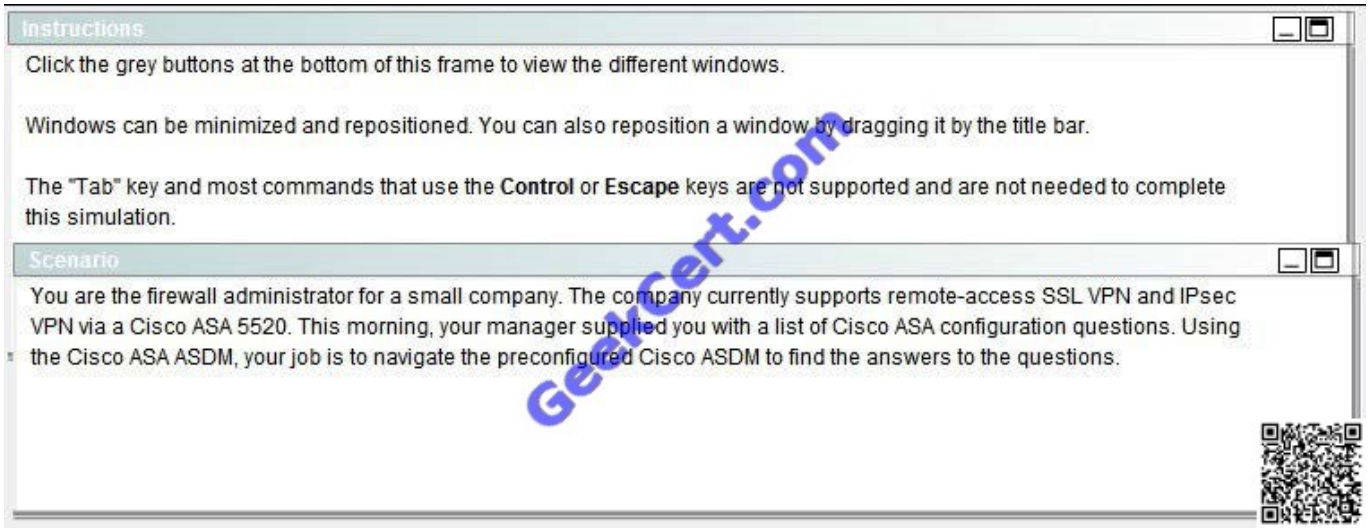
The IPsec L2L VPN tunnel does not come up on the PIX firewall or ASA, and the QM FSM error message appears. One possible reason is the proxy identities, such as interesting traffic, access control list (ACL) or crypto ACL, do not match

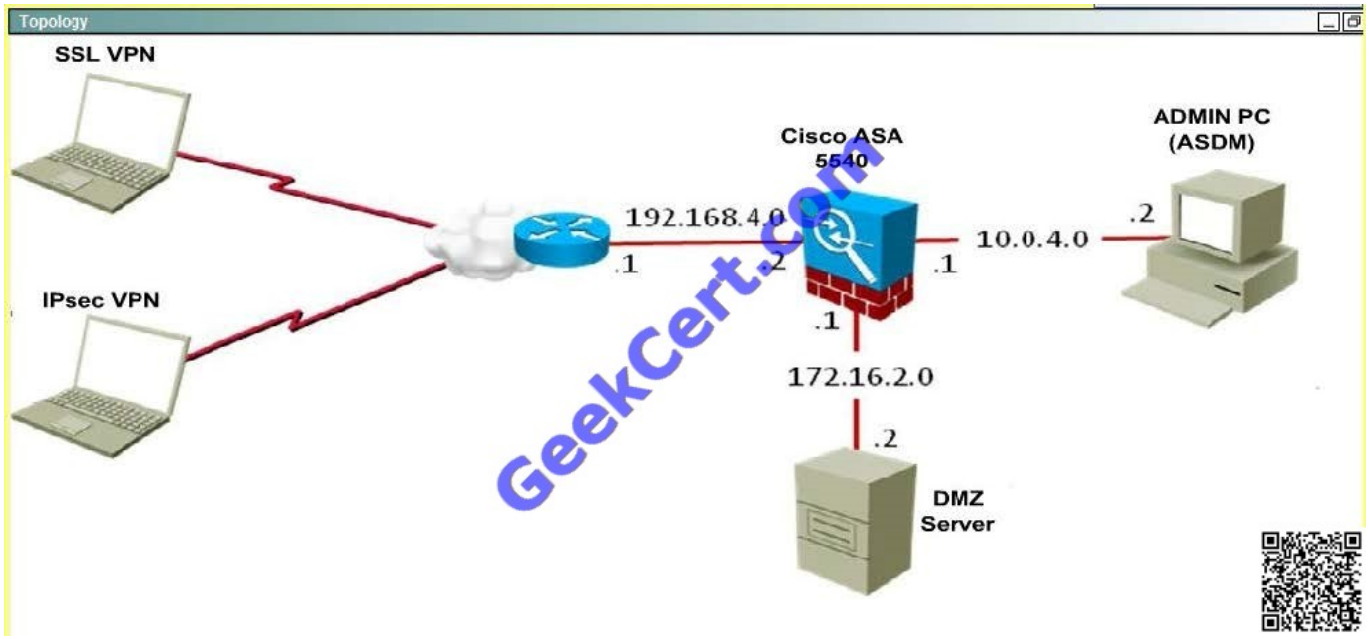
on both the ends. Check the configuration on both the devices, and make sure that the crypto ACLs match.

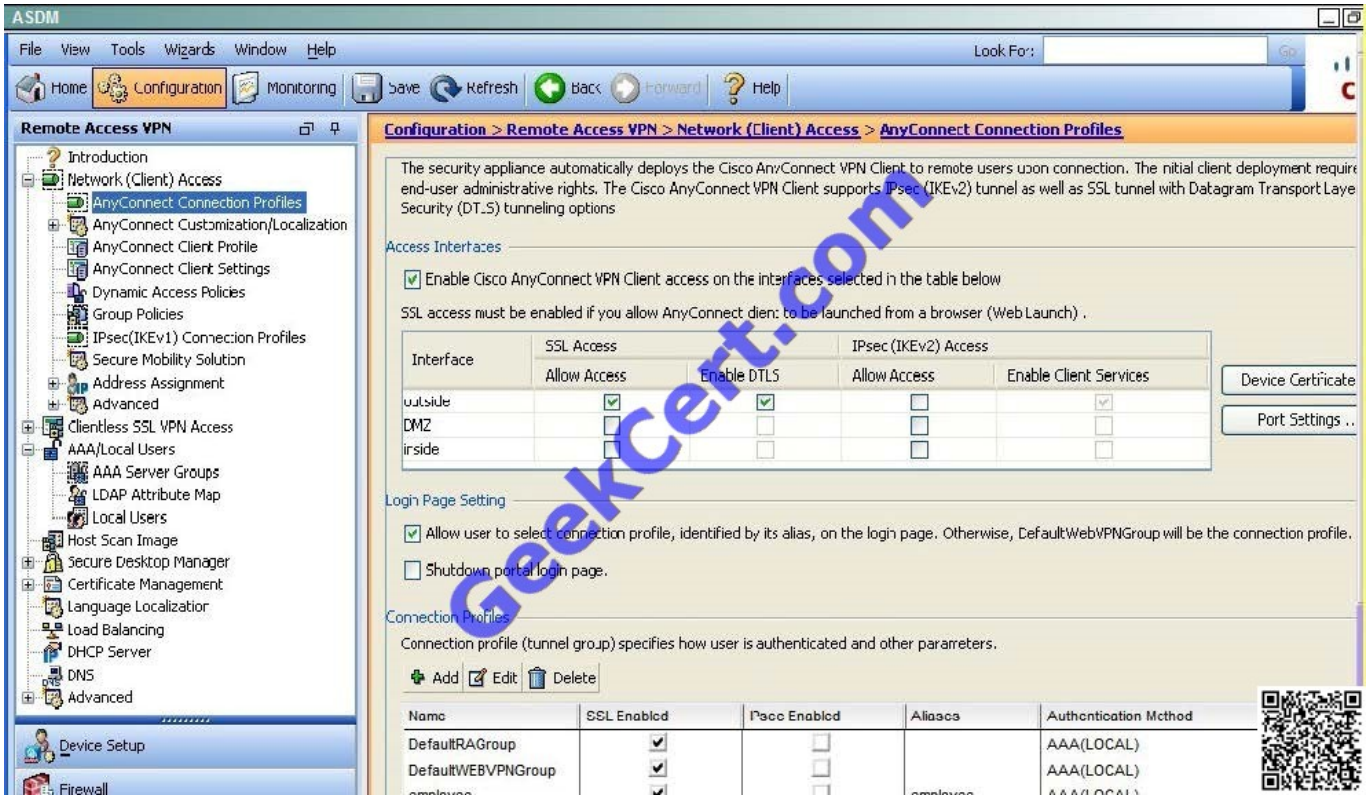
Another possible reason is mismatching of the transform set parameters. Make sure that at both ends, VPN gateways use the same transform set with the exact same parameters.

QUESTION 5

Refer to following Exhibit and answer the following question below:


Instructions
Click the grey buttons at the bottom of this frame to view the different windows.
Windows can be minimized and repositioned. You can also reposition a window by dragging it by the title bar.
The "Tab" key and most commands that use the Control or Escape keys are not supported and are not needed to complete this simulation.
Scenario
You are the firewall administrator for a small company. The company currently supports remote-access SSL VPN and IPsec VPN via a Cisco ASA 5520. This morning, your manager supplied you with a list of Cisco ASA configuration questions. Using the Cisco ASA ASDM, your job is to navigate the preconfigured Cisco ASDM to find the answers to the questions.


Topology
SSL VPN
IPsec VPN
Cisco ASA 5540
192.168.4.0
.1
.2
.1
.1
10.0.4.0
.2
ADMIN PC (ASDM)
172.16.2.0
.2
DMZ Server



After providing the correct VPN login credentials, user, contractor1, is enabled to use which VPN access type?

A. Cisco Any Connect VPN

B. Clientless VPN

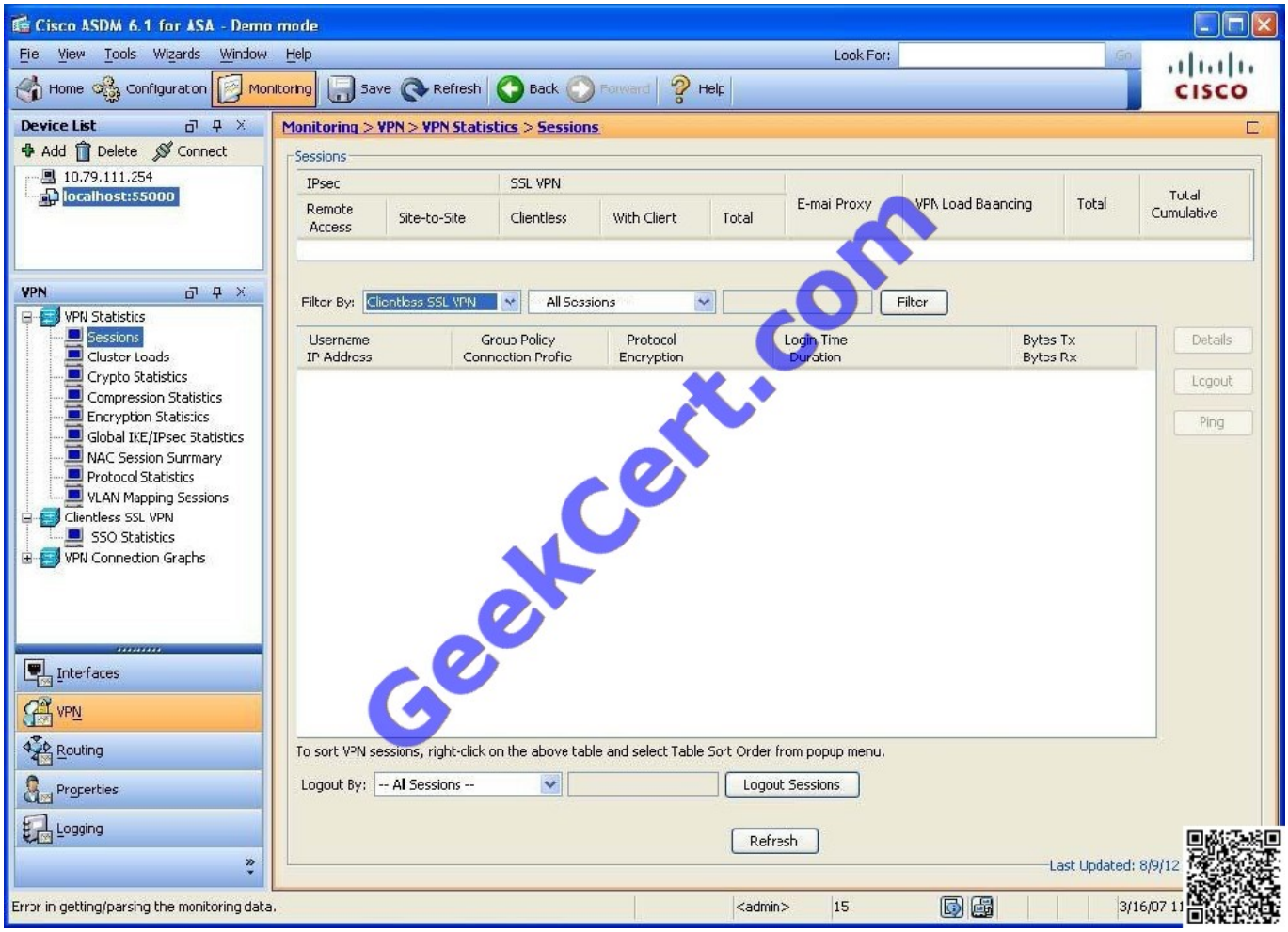
C. Cisco Any Connect VPN and clientless VPN

D. Cisco Any Connect VPN, clientless VPN, and IPsec VPN

Correct Answer: C

Configuration > network client access > any connect connection profiles >connection profiles > edit for each profile > general > more options > tunneling protocol > see the check marks Monitoring > VPN > VPN statistics > sessions filter by >>> choose contractor1

Monitoring > VPN > VPN statistics > sessions filter by >>> choose contractor1



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